
6. Golf Qualifying

Program Name: GolfQ.java

Input File: golfq.dat

Your high school golf team is planning to host a golf tournament. They have asked you to write a program that will determine the players that will get to play in the final round of the tournament.

The players that advance to the final round are all the players that have a three day total score lower than the player in 12th place plus anyone who is tied with the 12th place score.

Input

The first line of input will contain a single integer $n > 15$ that indicates the number of players who have finished the first three rounds. Each of the next n lines will contain a player's name in the form: $l, \ f \ s$ where l is the player's last name, f is his first initial and s is his three digit, three day total score.

Output

In the order they appear in the original list, you will print the names of the players qualified for the final round of the tournament.

Example Input File

```
15
JONES, J 210
SMITH, S 212
GEORGE, S 220
LILLARD, E 218
GREGORY, E 213
ROGERS, R 215
RICHARDS, O 222
LASITER, B 212
CHRISTIAN, N 219
LOWERY, A 221
RANDALL, R 227
THOMAS, T 221
TRAVIS, R 220
LESTER, P 220
BRIDGES, M 218
```

Example Output to Screen

```
JONES, J
SMITH, S
GEORGE, S
LILLARD, E
GREGORY, E
ROGERS, R
LASITER, B
CHRISTIAN, N
LOWERY, A
THOMAS, T
TRAVIS, R
LESTER, P
BRIDGES, M
```